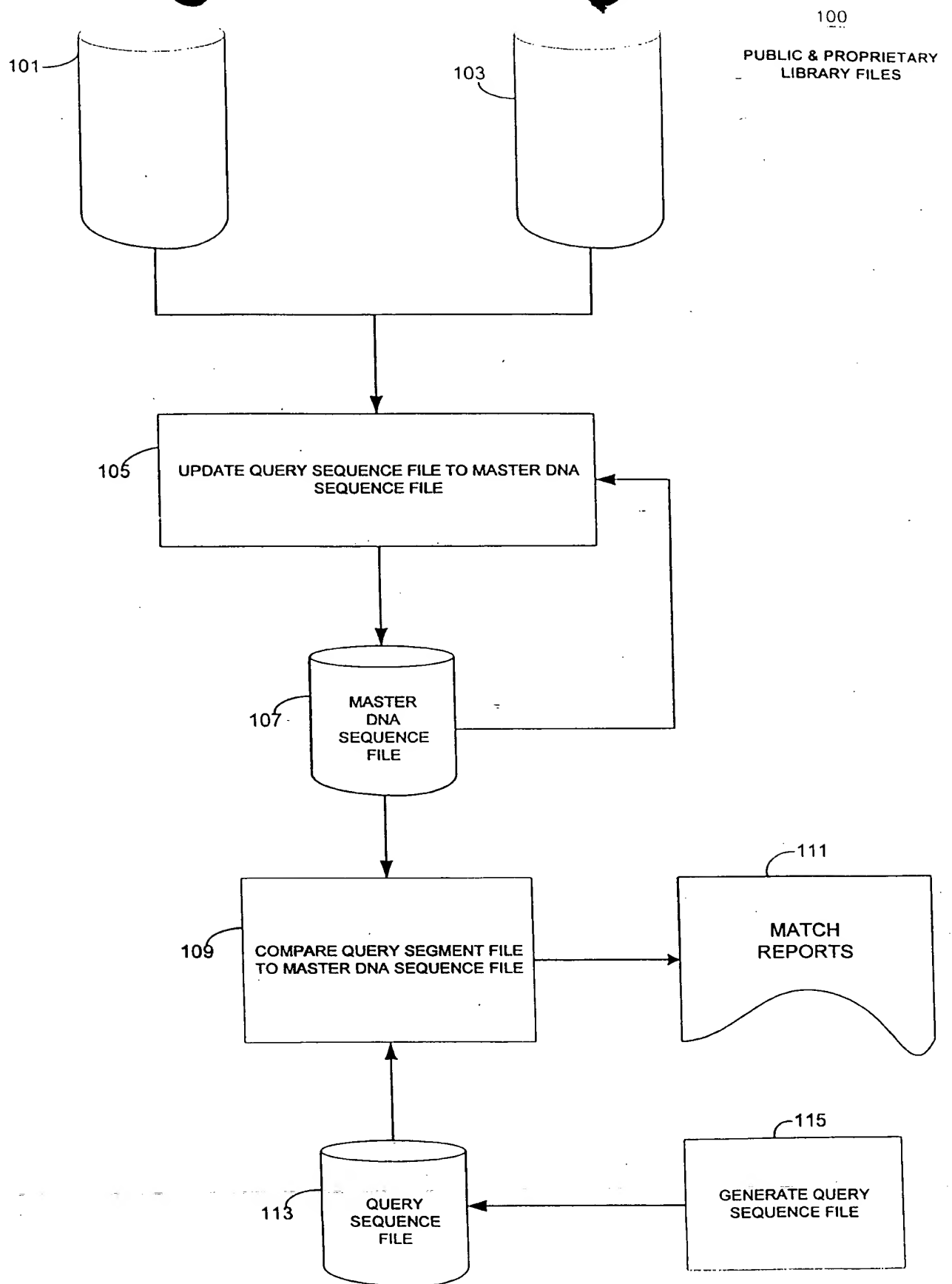


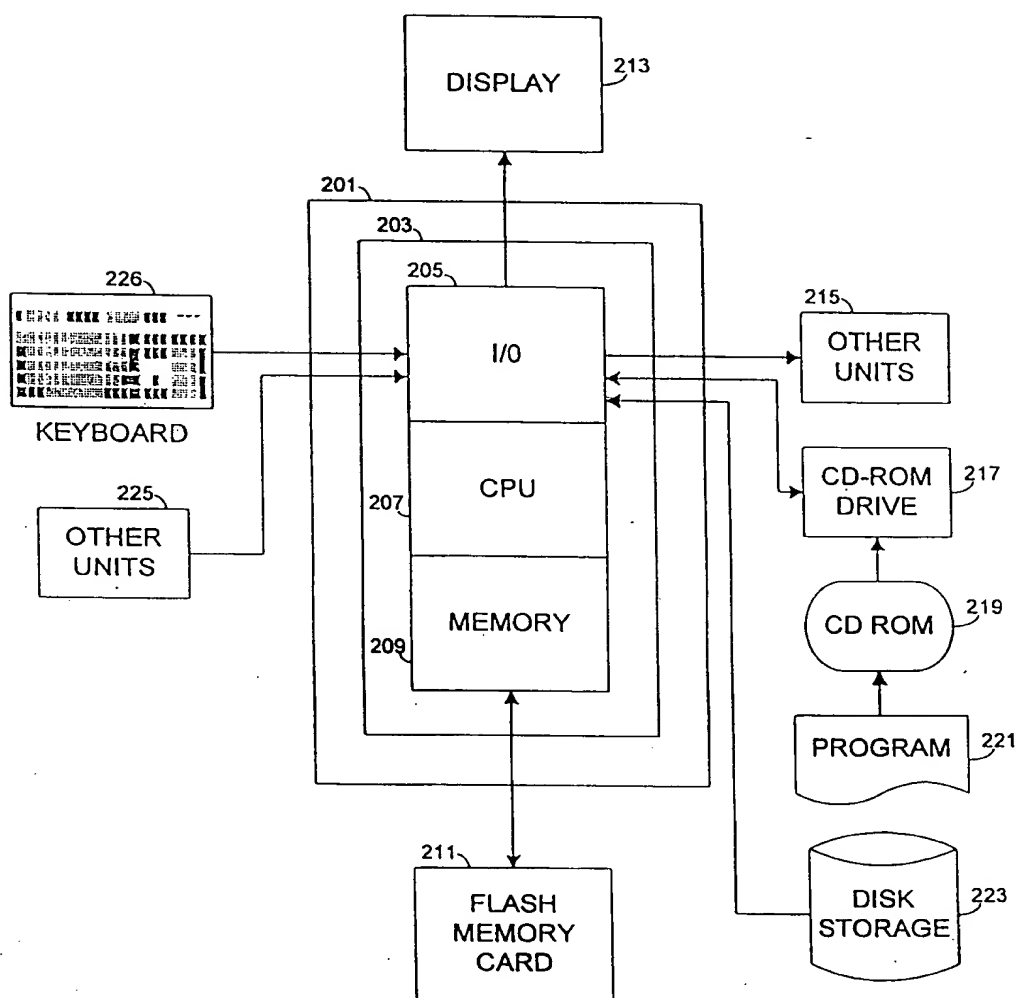
FIGURE 1



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Figure 2
200 Typical General Purpose Computer/



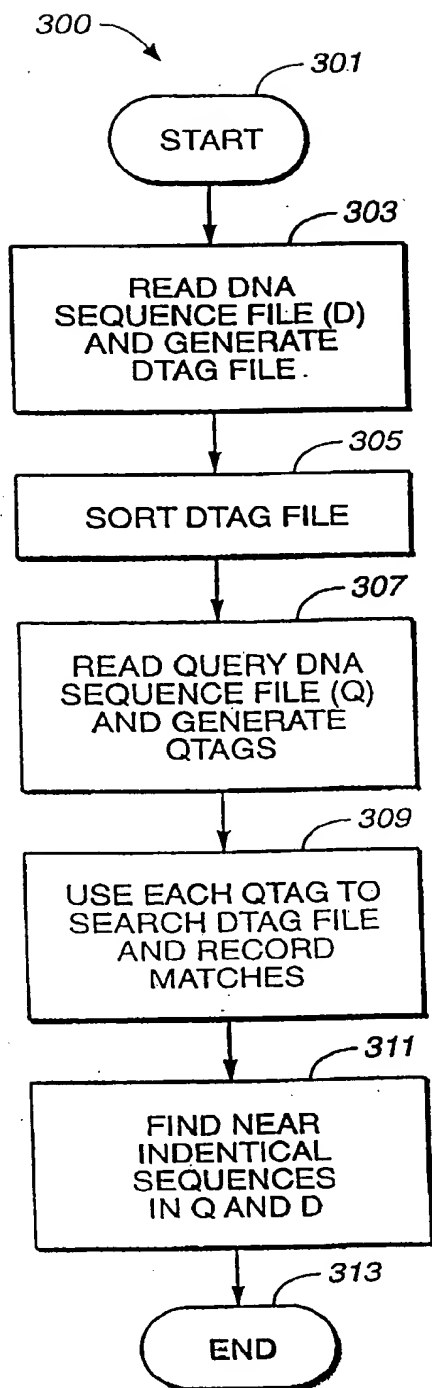


FIG. 3

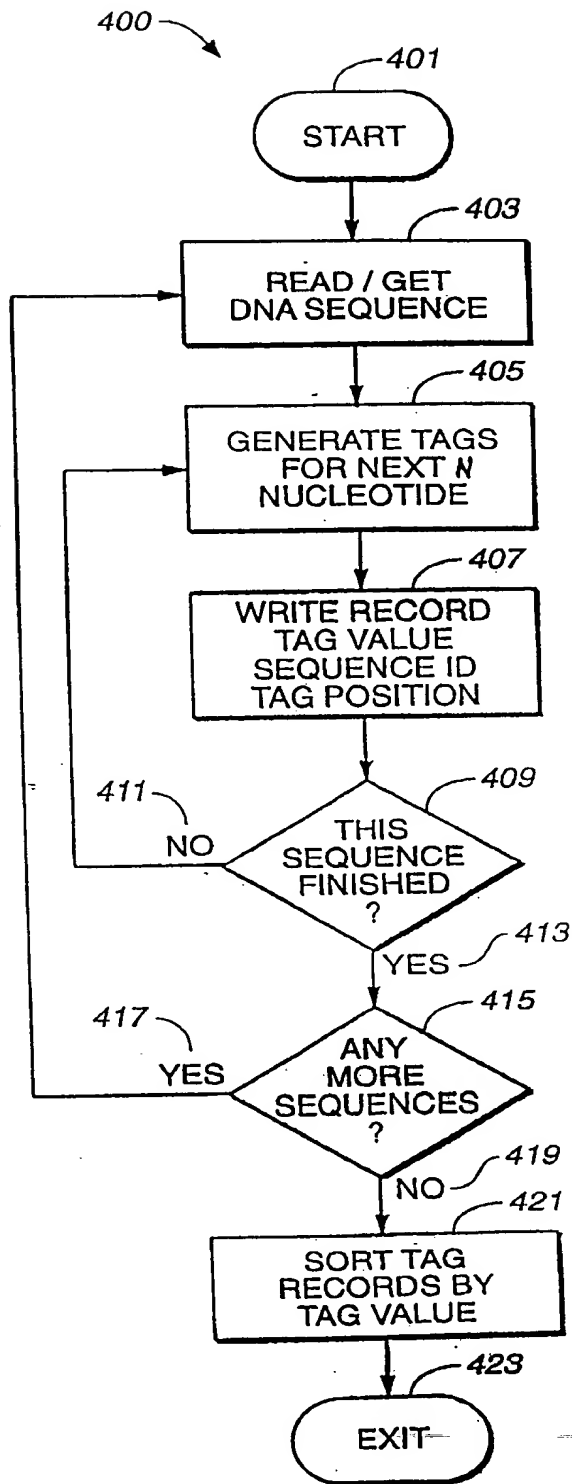


FIG. 4

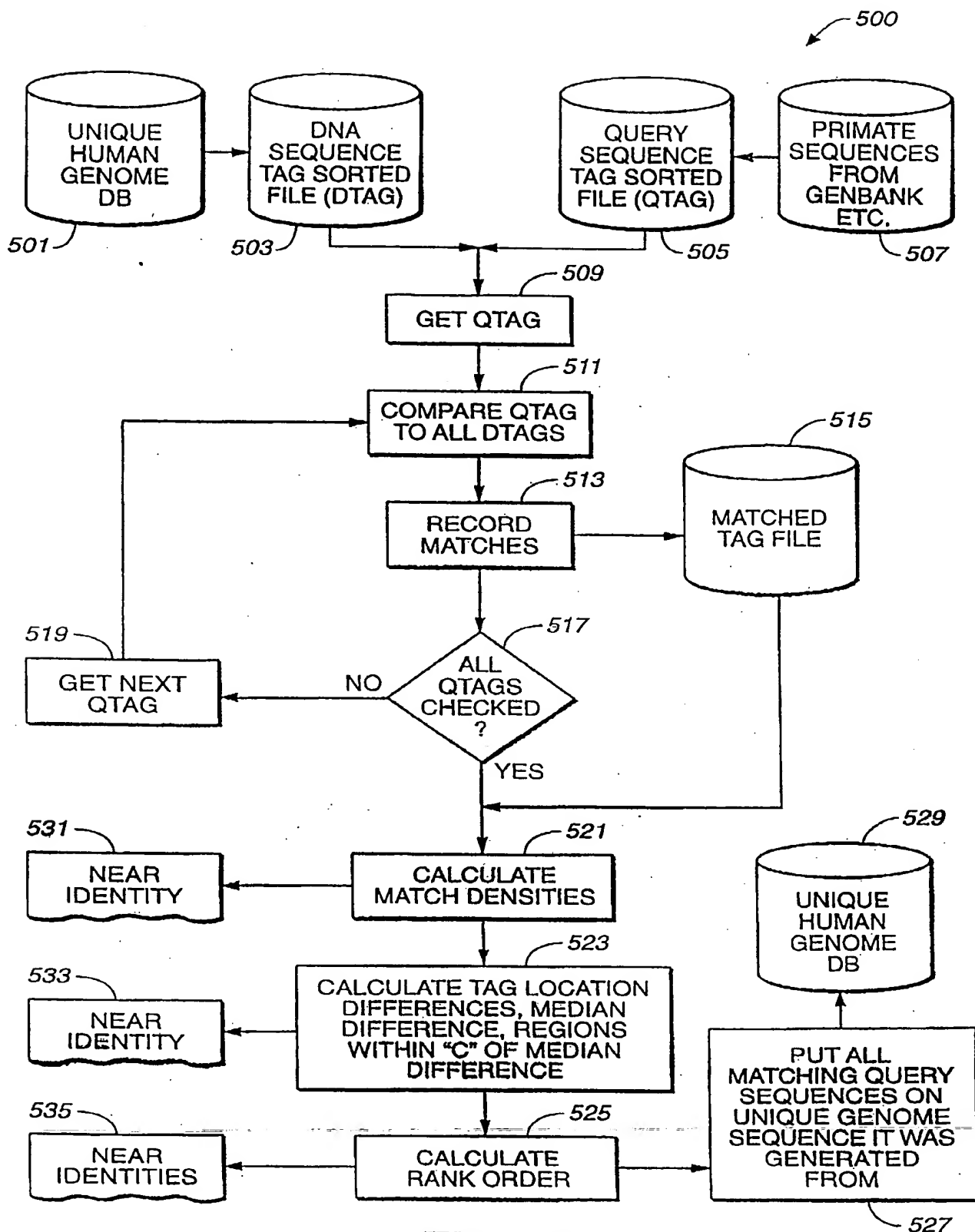


FIGURE 6

swiss-prot like format:

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601 -ID      603) 605)
        Z0; 753000 NA.
607 -AC      Z0; 609
611 -DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; AC003656;
        753000 0 753000      Z0 753000 0 753000      249 1.00
        0.00 3847 933110467
613 -DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ474914;
635 -350 1 289 Z0 753000 557888 558176 9 -1.00 0.00 262
636 -933110467 621 627 623 629 631 633 635
        DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ484430;
        346 6 299 Z0 753000 265056 265344 5 -1.00 1.00 262
        933110467
        DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34630; 500
        41 457 Z0 753000 660416 660832 14 -1.00 0.00 262
        933110467
        DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ197006;
        551 41 489 Z0 753000 323936 324384 15 -1.00 0.00 262
        933110467
        DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34621; 480
        2 418 Z0 753000 -286656 -286240 14 -1.00 0.00
        390 933110467
        DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34622; 480
        6 422 Z0 753000 276448 276864 14 -1.00 0.00 262
        933110467
        DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34623; 480
        3 419 Z0 753000 -409472 -409056 14 -1.00 0.00
        390 933110467
        DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34625; 480
        28 444 Z0 753000 16448 16864 14 -1.00 0.00 2310
        933110467
        DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34628; 480
        12 429 Z0 753000 491296 491712 12 -1.00 0.30 262
        933110467
        DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ530866;
        629 17 593 Z0 753000 379104 379680 12 -1.00 0.00 262
        933110467
        DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ284594;
        656 11 587 Z0 753000 368416 368992 18 -1.00 0.00 262
        933110467
        DR      /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ055000;
        637 26 569 Z0 753000 675232 675776 17 -1.00 0.15 262
        933110467

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FIGURE 6 (continued)

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DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34769; 213
8 168      Z0 753000 -136224 -136064      6 -1.00 0.00
390 933110467
DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; G20808; 213
8 168      Z0 753000 -136224 -136064      6 -1.00 0.00
390 933110467
DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ582860;
523 27 443 Z0 753000 -370656 -370240      14 -1.00
0.00 390 933110467
DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; HSMC12B05;
214 16 176      Z0 753000 -216640 -216480      6 -
1.00 0.00 390 933110467
DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; G37258; 389
20 340      Z0 753000 -169280 -168960      11 -1.00 0.00
390 933110467
DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; B69654; 582
43 491      Z0 753000 226048 226496 13 -1.00 0.00 262
933110467
DR
/home/disc/holloway/software/genomic_uniq/data/gen_0729
.fasta; AQ746139; 841 59 731      Z0 753000 -215936 -
215264      15 -1.00 0.00 390 933286163DR
/home/disc/holloway/software/genomic_uniq/data/gen_0729
.fasta; AQ729823; 445 42 395      Z0 753000 104448
104800 10 -1.00 0.38 262 933286163
637-SQ   SEQUENCE length 753000 NA;
639- agcgtgtgtcagtcgaaaaccccgagataagctatcacgtaatcgccaagtgtcgttaaattcaccata
gttcacatttttaataaccacgtatcatgtataaattaaacattggggccctccactgaggtacgtgtgta
gcgcttagtgggacacgcacgcacgtgggacgaagcaggaaaagttaaagaaggccgccttagtgtcacc
cgacaaagccaaagcctgacaaaccccgaaattgcactcgcaattcacggcatacggtcatttagcggctc
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cggacgatattaggtgcaaagtcctcaagcatcacaccagaaaagttaccaaggttgctcgctgaaaagt
taccaagcctcacacgtgaaaagttaccaatcctgtcgctgaaaagttaccaagcatcacacgtgaaaa
gttaccaatcatgtcgctgaaaagttaccaagcatcacacgtgaaaagttaccaatcatgtcgctgaa
aagttaccâagcatcacacgtgaaaagttaccaatcattgctcgctgaaaagttaccaagcaactcgctg
aaaagttaccaagcatcattacactttctcttacaagaatttaagaaaatcgttccaccccgccatcca
tcattctcaaacctcgctttgccccgggcactcgattatgcgggtggcgggctcgcggcacaagagagc

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FIG. 7

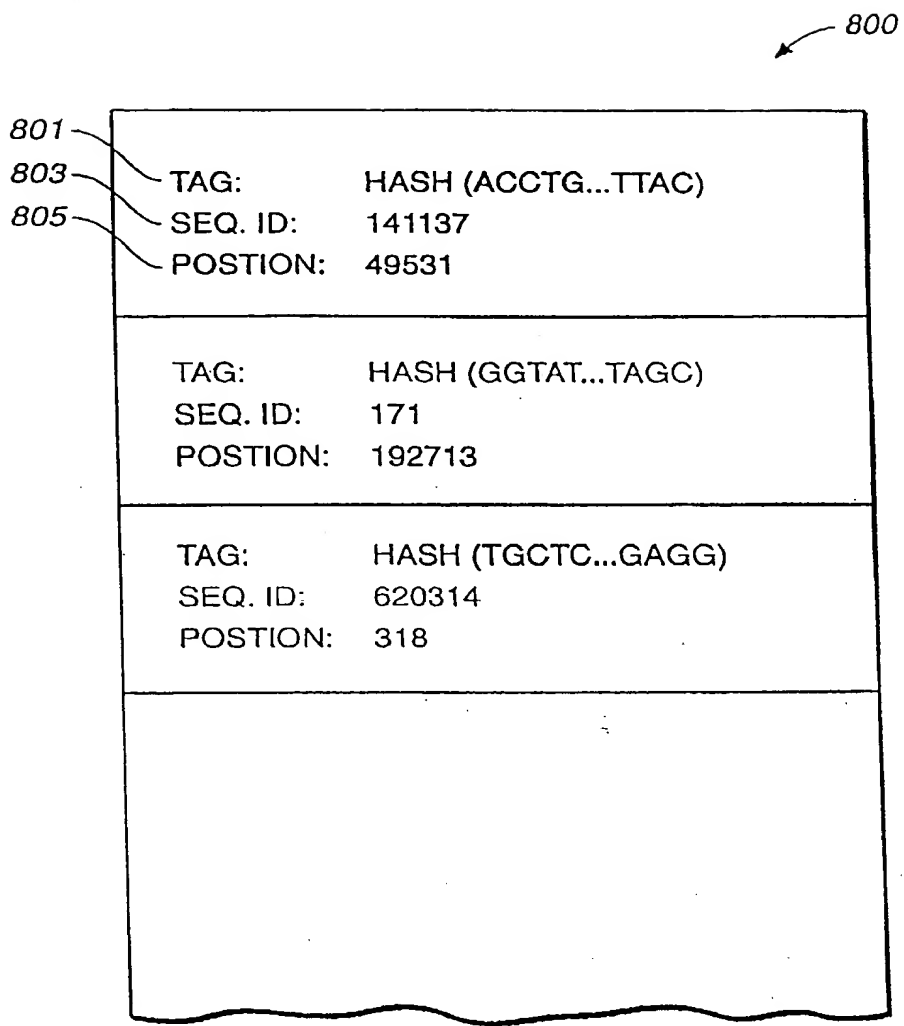


FIG. 7

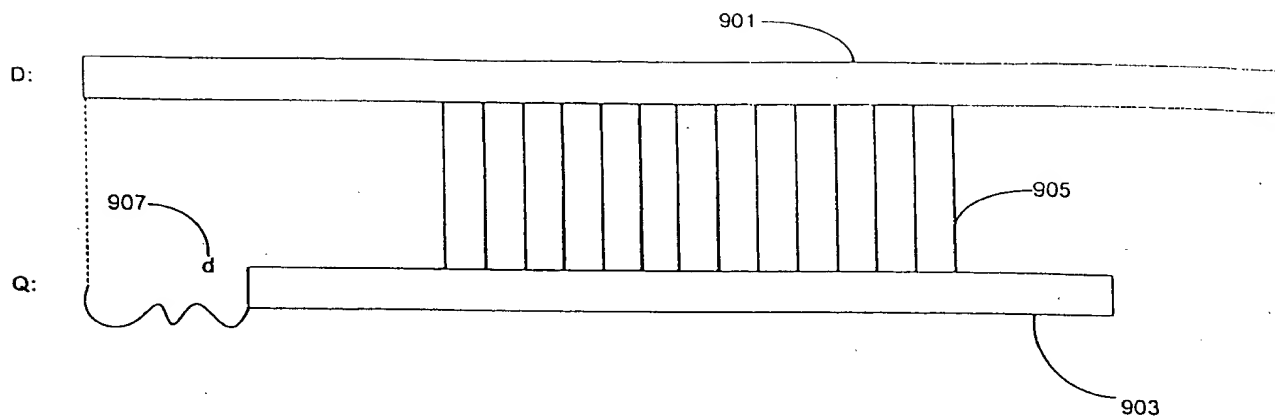


FIGURE 8A

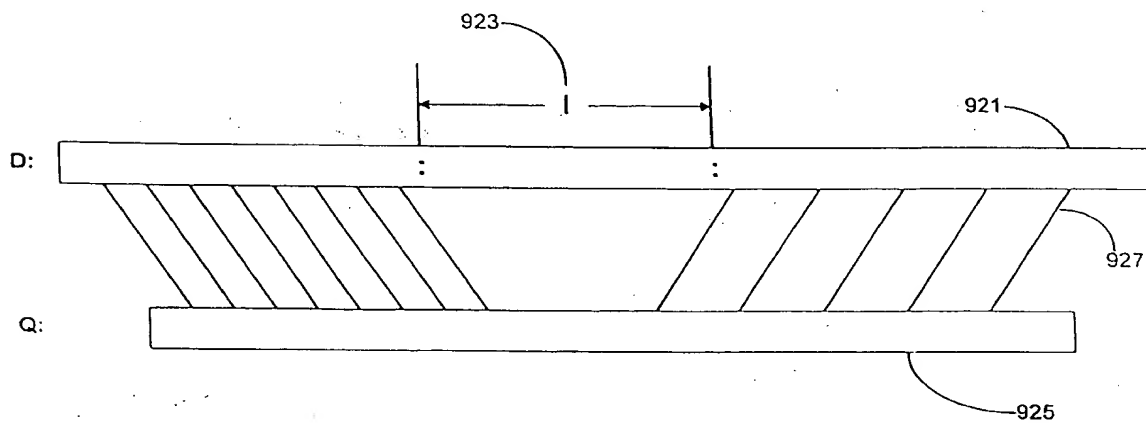


FIGURE 8B

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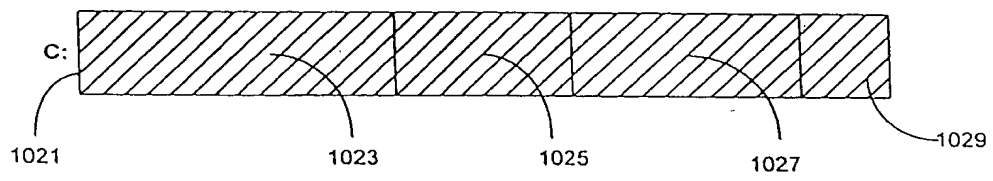
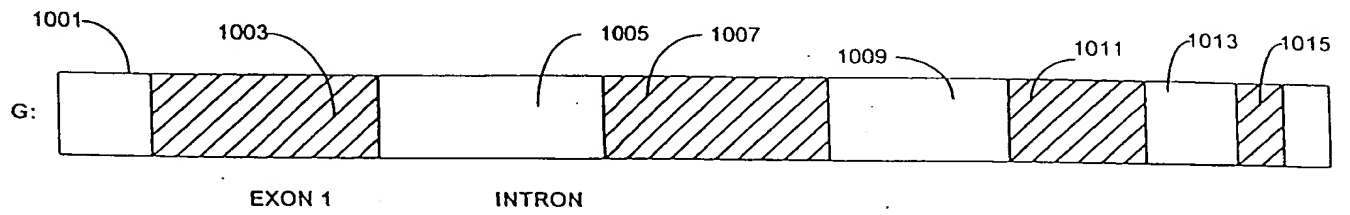


FIGURE 9

FIG. 10

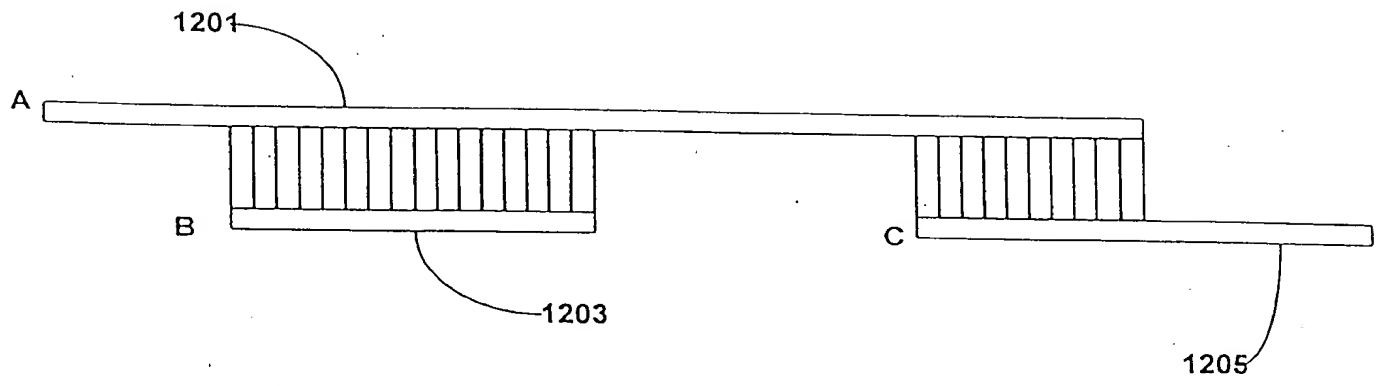


FIG. 10